

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Zari Hariri

GENERAL INFORMATION:

Name:	Philips Lighting, LLC
Address:	320 Vasksdhl Ave Danville KY, 40422
Date application received:	4/9/2008
SIC Code/SIC description:	3229, Other Pressed and Blown Glass and Glassware Manufacturing
Source ID:	21-021-00001
Agency Interest:	380
Activity:	APE20080001
Permit:	V-08-036

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	4.78	398.1
SO ₂	34.4	34.4
NO _x	61.44	61.44
CO	9.05	9.05
VOC	20.49	20.09
Lead	0.9402	86.9
HCl	2.43	2.43
Manganese	0.0002	0.015
Source wide HAPs	3.37	89.36

SOURCE DESCRIPTION:

Philips Lighting operates a glass manufacturing plant in Danville, Kentucky. Philips has three separate production lines for manufacturing three different types of glass: soda lime glass (commonly referred to as "lime glass" in application documents), lead glass, and hard glass. Recently, Philips Lighting Company decided to shut down the lime glass production line in Danville, effective January 2008.

Philips has taken several steps since January 2008 to either disassemble or otherwise deem inoperable all emission points associated with the lime glass production line. Of particular importance is the lime furnace. The furnace is not operational as it stands right now, even with the gas lines attached. In order for this piece of equipment to be considered a "furnace", it must have the capability to perform a furnace's primary function: in this case, melting glass. This would be impossible at this time, and it would take a considerable amount of money to render the furnace operational again. Philips has suggested that this furnace be removed from the Title V operating permit to be issued by DAQ. The shutdown of this furnace represents a significant decrease in criteria pollutant emissions from the factory; this decrease could be used to offset possible emissions increases at Philips during the next 5 years to preclude applicability of Prevention of Significant Deterioration (PSD).

On March 16, 2008, the source applied to the Division for the permit renewal for the facility located in Denville, Kentucky. The application requested a change in the permit for the removal of the Lime Glass line from the permit. Most of the idle equipments associated with the lime glass production line have already been removed out. The furnace will not be removed due to the cost of dismantling it. The lime glass line includes following equipments:

- EP 01: Lime Glass Mixing and Handling
- EP 03: Lime Glass Melt Furnace
- EP 06: Bulb Forming
- EP 07: Mold Coat Spray
- EP 08: Mold Cleaning Tank
- EP 13: Lime Cullet Conveying
- EP 17: Lehr Ovens
- EP 032: Mold Cleaning Tank

All of the emission points listed above have been physically removed from the plant, with two exceptions: the Lime Glass Melt Furnace and the Lehr Ovens (EP 03 and EP 17). The lime glass melt furnace (EP 03) has been shutdown and disabled. Per the facility, no equipments have been added since last permit.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Operation rate shall not exceed the following amounts for these emission points:

EP02 1.8 tons/hr

EP04 1.4 tons/hr

E14 4.25 tons/hr

EP22 2.0 tons/hr

EP23 the two Lehr ovens shall not use propane for more than 1850 hours/year.

Control system must be in operation for EPs 02, 04 and 14 during the normal operating process time.